

glucuronic acid or iduronic acid (U) terminal unit and obtaining an -A-U or -U-A sequence,

wherein one of the saccharides has an OH group and the other has a group which reacts with the OH group to form a glycosylation -O- linkage in the desired stereochemistry,

the other position having protective or functionalizable groups which are inert in the glycosylation reaction, and

the protective and functionalizable groups being selected to permit the substitution of given substituents at the various positions without altering the remaining portion of the compound.

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43. The process of claim 42 wherein the glucosamine is D-glucosamine, the galactosamine is D-galactosamine, the glucuronic acid is D-glucuronic acid, and the iduronic acid is L-iduronic acid.

44. The process of claim 42 wherein the -OH group is in the 3, 4 or 6 position of the glucosamine or galactosamine.

45. The process of claim 42 wherein the -OH group is in the 2, 3 or 4 position of the glucuronic or iduronic acid.

46. The process of claim 42 wherein the -OH group is reacted with a halide, an imide or an orthoester.

47. The process of claim 42 which further comprises removing a blocking group from the hydroxy group which reacts in the glycosylation reaction,